

LOW POLYMERIZATION OF ALPHA-OLEFIN

Patent number: JP7017878
Publication date: 1995-01-20
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Classification:
- international: C07C11/107; C07C2/30; C07C2/32; C08F2/00;
C08F2/06; C08F4/69; C08F10/00; C10G50/00;
C07B61/00
- european:
Application number: JP19930163589 19930701
Priority number(s): JP19930163589 19930701

Abstract of JP7017878

PURPOSE:To provide low polymerization method capable of selectively obtaining a product mainly consisting of trimer, especially 1-hexene in a high yield and suppressing the production of polymer having high molecular weight in a low polymerization of alpha-olefin, especially ethylene.

CONSTITUTION:This low polymerization of alpha-olefin is carried out with the use of chromium catalyst consisting of chromium salt, amine and alkylaluminum compound. The low polymerization of alpha-olefin is carried out by using a hydrocarbon as a solvent and further an aromatic hydrocarbon compound having less than 2 of aliphatic hydrocarbon substitution group is used in the range of <=40% of a feed solution of this low polymerization.

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